

Adsorption, a Partial Thermal Accommodation
of Gases on Surfaces, and its Relation to
Catalytic Actions, by Kl. Schafer, H.
Gerstacker, 18pp.

GERMAN, Ger, Zeitschrift fur Elektrochemie,
Vol 60, 1956, No 8, pp 874-887.

CFSTI TT-64-18089

Kl. Schafer

323,224

Sci - Chemistry
Apr 67

A Comparison Between the Stream Filament Theory of
Gas Dynamics and the Axially Symmetric Flow Theory
by M. Schaefer, 6pp
GDR: 1974, rpt., Dresden Technical University,
DDA 17-6-15176

M. Schaefer

Sci - Mech

May 67

Lynda

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Schäfer, Harald and Morcher, Bernhard.
CHEMICAL TRANSPORT REACTIONS. IV. MIGRA-
TION OF SILICON DIOXIDE IN A TEMPERATURE
GRADIENT IN ASSOCIATION WITH SILICON MON-
OXIDE AND SILICON HALIDES (Die Wanderung von
Siliciumdioxid im Temperaturegefälle unter Mitwirkung
von Siliciummonoxid und Siliciumhalogeniden). [1961]
10p. 17 refs.

Order from SLA \$1.10

61-18662

Trans. of Zeitschrift für Anorganische Chemie
(East Germany) 1957, v. 291, p. 221-226.

DESCRIPTORS: *Silicon compounds, *Dioxides,
*Monoxides, *Halides, Chemical reactions, Separation,
Condensation reactions, Decomposition,
Thermodynamics.

When a mixture of Si and SiO_2 is heated, after addition
(Chemistry-Inorganic, TT, v. 6, no. 10) (over)

61-18662

- I. Title: Transport reactions
- I. Schäfer, H.
- II. Morcher, B.
- III. Title: Migration...

Office of Technical Services

Short Report on the Purification of Columbium
Preparations, by Harold Schafer, 2 pp.

GERMAN, per, Z Naturforschung, Vol IIIb, 1948, p 376.

S.L.A. Tr 928/1956

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Sci - Chemistry

Sci - 57, 1956

Schafer, Harold and Kahlenberg, Franz.
CONTRIBUTION TO THE CHEMISTRY OF THE ELEMENTS NIOBIUM AND TANTALUM. XXII. THE ENTHALPY OF FORMATION OF TANTALUM CHLORIDE AND THE THERMOCHEMISTRY OF THE CHLORIDES $TaCl_5$, $TaCl_4$, and $TaCl_3$. [1962] 18p. 34 refs.
Order from SLA \$1.60
63-10767

Trans. of Zeitschrift für Anorganische Chemie (East Germany) 1960, v. 305, p. 178-189.

DESCRIPTORS: Niobium, *Tantalum, *Tantalum compounds, *Chlorides, Thermochemistry, *Enthalpy, Heat of formation.

The enthalpy of formation of tantalum tetrachloride was estimated by determination of the heat of solution: $\Delta H(TaCl_4, 298) = -168.8 \pm 0.5$ kcal/mole. The enthalpy of formation of $TaCl_5$ (s), $TaCl_5$ (g), $TaCl_4$ (s), (Chemistry--inorganic, TT, v. 10, no. 1) (over)

63-10767

- I. Schafer, H.
- II. Kahlenberg, F.
- III. Title: Enthalpy ...

Office of Technical Services

Method for the Simultaneous Determination of Small
Amounts of H_2S & CS_2 in Air, by W. Sonnerschein,
K. Schaffer.

GERMAN, DET, Zeitschrift für Analytische Chemie,
Vol XCL, 1953, pp 15-25.

C.S.I.R.O.

Sci

May 60

115, 745

Respiration and Acid-Base Equilibrium with
Continued Administration of $3\frac{1}{2}$ CO₂,

by K. E. Schafer.

GERMAN, per, Arch. Ges. Physiol., Vol 251,
1949, pp 689-715.

NASA TT F-9828

K. E. SchAFer

U. S. GOVERNMENT USE ONLY

Sci-B&H

Apr 66

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6 The Influence of Infections and Similar Processes
on Iron Metabolism. 2nd Report. The Intermediate
Iron Shifts Appearing in the Course of Infections
and Intoxications, by Karl-Heinz Schafer, 32 pp.

GERMAN, par, Z. fuer d. Ges. Exper Med, Vol CX,
1960, pp 697-712.

NIH 1-12-61

Sci - Med
Mar 61

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The Influence of Infections and Similar Processes on Iron Metabolism. 1st Report. The Influence of Infections, Intoxications and of Sensitization Against Serum Foreign to the Species on the Total Iron Content as a Measure of for the Iron Requirement of the Organism, by Karl-Heinz, Schafer, 238 pp.

GERMAN, per, Z. fuer D. Ges. Exper Med, Vol CX, 1942, pp 678-696.

HHH 1-11-61

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Sci - Med
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A Measuring Method for the Determination
of Thermal Conductivity at 1100C.
by Kl. Schafer, F. W. Reiter. ✓
GERMAN, per, Zeit fur Elektrochemie,
Vol LXI, No 9, 1957, pp 1230-2, 1235.
SLA TT 64-30306

Kl. Schafer

Sci

May 67

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Thermodynamics and Statistics of Boundary Surfaces,
by Kl Schafer, 32 pp.

GERMAN, per, Z fuer Elektrochemie, Vol LIX, No 4, 1955,
pp 233-245.

FDD/X-3620

Sci
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A Contribution to the Question of Localization
of Bulboreticular Respiratory Neurons of Cat,
by R. v. Baumgarten, A. v. Baumgarten, K. F.
Schafer, 15 pp.

GERMAN, Part, Pflugers Arch Ges Physiol (Germany)
1957, Vol CCLXIV, No 3, pp 217-227.

SLA 59-10637

Sci
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Vol 2, No 3

99,841

Equations for Adiabatic But Rotational Steady Gas
Flows Without Friction, by Manfred Schafer

GERMAN, per, Lehrstuhl für Technische Mechanik an der
Technischen Hochschule Dresden, Archiv, No 44/1.

S.L.A. Tr Pool

Scientific - Engineering
GTS/DEK

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Programme: Three-Position Integral Action Controller,
by O. Schafer.

GERMAN, par, Regelungstechnik, Vol VI, No 5,
1958, pp 174-177.

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HOLLACE, R.
SCHAFER, R.

Archiv Eisenhüttenwesen, vol. 13, 1932-40, pp. 123-125; 10 figures, 1 table 3300 words.

Problem of Solidification of Steel Ingots.

Brutcher Trans, Order No. 791, \$3.30.

SCHLATER, F.

Stahl Und Eisen, vol. 60, 12 figures, 6000 words;
1940.

Surface Defects on In-ots and Semifinished Products.

Brutcher Trans, Order No. 971, \$4.90

A 10435

SCHMIDT, R.
MITCHELL, W.

Stahl und Eisen, vol. 62, 1. Heft, 1. Teil, 1912.
Words: 1912.

Hardening and Toughening of Steel Directly by Im-
pling Heat.

Butcher Trans, Order No. 1278, N.Y.

A-18 32

BRESCHER, C.
SCHAEFER, R.

ARCHIV EISENHUTTENWESEN, vol. 9, 8 figures, 7 tables.
4900 words: 1936.

Hydrogen as Cause of Low Ductility in Steel.

Brutcher trans. Order No. 601 \$4.90

A-11445

62-16759

I. Schäfer, R.
II. Wirth-Lindemann

Schäfer, Ralf and Wirth-Lindemann.
THERMODYNAMIC INVESTIGATIONS ON THE SYSTEM ACETONE-n-HEPTANE AND ACETONE-n-NONANE. (1962) 116p. (figs. tables omitted) 12 refs.
Order from SLA \$1.10 62-16759

Trans. of Zeitschrift für Physikalische Chemie [Frankfurt] (West Germany) 1955 [reusfolge] v. 14 [no. 1/2] p. 197-207.

DESCRIPTORS: *Thermochemistry, *Thermodynamics, *Phase studies, *Acetones, *Heptanes, *Nonanes, Evaporation, Vapor pressure.

The evaporation equilibria of the two binary systems acetone-n-heptane and acetone-n-nonane were investigated in a by-pass apparatus in the range 0 to 50°C. The data obtained out of the measurements for calculating the activity coefficient were corrected with respect (Physics--Thermodynamics, TT, v. 9, no. 2) (over)

Office of Technical Services

62-20334

Schäfer, R. R.

PHYSICAL CHEMISTRY OF LACQUERS [CONTINUED]

Communication no. 11. 24 Jan 47, 18p. (figs. 10; table omitted)

Order from SLA \$1.60

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Trans. of [Fette Seifen Anstrichmittel] (Germany)
1943, v. 50, p. 279-288DESCRIPTORS: *Varnishes, Physical chemistry,
Surface-active substances, Flammability, Odors,
Solvents, Aliphatic compounds, Heterocyclic com-
pounds, Monocyclic compounds, Polycyclic compounds

Contents:

Wetting ability

Inflammability

Odor and physiological properties

The most important lacquer solvents

A. Aliphatic compounds

B. Cyclic compounds

L. Schäfer, R. R.

62-20334

OFFICE OF TECHNICAL SERVICES
WASHINGTON, D. C.

Office of Technical Services

Investigations on the Hemagglutinating Noninfectious
Particles of the Influenza Viruses. First Report:
The Production of "Incomplete Forms" in the Virus
of Classic Chicken Plague (von Magnus Phenomenon),
by T. Rott, W. Schafer.

GERMAN, per, Z Naturforschung, No 15b, pp 691-693,
1960.

NIH 9-6-62

Sci - Med

Dec 62

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STUDIES CONCERNING THE MEMBRANATIVE NON-
INFECTIOUS PARTICLES OF THE INFLUENZA VIRUSES. II.
COMPARATIVE STUDIES OF THE PHYSICO-CHEMICAL AND
BIOLOGICAL CHARACTERISTICS OF THE PARTICLES,
BY R. ROTT, W. SCHAFER, 18 PP.

GERMAN, PER, Z FÜR NATURFORSCH, VOL XVII, NO 5,
1961, PP 310-321, 1961,

MM 6-23-62

SCI - MED
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63-22822

Schäfer, Walter.

THE BINARY SYSTEMS FROM CALCIUM CHLORIDE
WITH BARIUM AND STRONTIUM CHLORIDE. [1963]

10p

Order from K-H \$10.00

K-H 8529c

SLA TT-64-30490

Trans. of Neues Jahrbuch [für] Mineralogie, Geologie
[und Palaeontologie] (Germany) 1914, p. 15-24.DESCRIPTORS: *Chlorides, *Strontium compounds,
*Barium compounds, *Calcium compounds.

(Earth Sciences--Mineralogy, TT, v. 10, no. 12)

I. Schäfer, W.

II. K-H-8529c

III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

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Office of Technical Services

Concerning Tyndallometric Measurement of Dust
Content in Air and a New Dust Measuring Ap-
paratus, by M. Berek, K. Manuchen, W. Schafer.

GERMAN, per, Z für Instrumentkunde, Vol LVI,
1936, pp 49-56.

Dept of Int
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Pitts., Pa. Tr 24

Sci - Geophys, *dngr*
Jun 59

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(FDD 26826)

Coating Resins Based on Polyester Epoxides, by
H. Jahn, W. Schafer, 27 pp.

GERMANY, bi-monthly, Plaste und Kautschuk, No 5, Berlin
Oct 1955, pp 224-230

CIA/FDD U-8094

ELGAR - Germany
Sci - Physics

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33,3-7

The Diagnosis of Hoof and Mouth Disease Among
Humans, by Bernhard Schneifer; A Virus Concentrate
for Use as an Adsorbent Vaccine Against Atypic
Poultry Pest, by Dr. W. Schafer; Research on the
Effectiveness of and the Reaction to Adsorbent
Vaccine for Poultry Pest, by Dr. J. Berryman,
26 pp. UNCLASSIFIED

GERMAN, Tierärztliche Wochenschrift, 1951, pp 131-
133; Tierärztliche Umschau, 1951, pp 199-201, 311-
313.

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Scientific - Medicine

Dec 51 CTS

After the Y. Pienka by Adam Schaff, (Sal. Muz. Pol. Trans.,
8). 6 pp.

POLISH, per, Zycie Partii, No 11, Warsaw, Nov 1957,
pp 4-6.

CIA/FOI Tr 678

Mem - Poland
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Dec 57

(SF-2067)

Conflict of Humanisms (6 & 7) -- The Struggle Over
Happiness, by Adam Schaff, 10 pp.

POLISH, per, Przegląd Kulturalny, Nos 42, 43,
19, 26 Oct 1951, pp 1-3, 2.

JPRS 12002

LEUR - Poland

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(DC-5814)

Philosophy of Man (6) Marxist Philosophy of Man,
by Adam Schaff, 8 pp.

POLISH, per, ~~XXXXXXXX~~ Preglad Kulturalny, Vol X,
No 14 (449), 6 Apr 1961, pp 1-7.

JPRS 8166

EEur - Poland
Soc
Jun 61

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The Greatest Strength: Wealth in Socialism (III),
by Adam Schaff, 9 pp

POLISH, weekly np, Polityka, No 7, Feb 1958, Warsaw,
pp 3-4

US JPRS/DC-62
CSO DC-50/4

LEAD - Poland

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(DC-5718)

Philosophy of Man (5) on Moral Responsibility,
by Adam Schaff, 9 pp.

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30 Mar 1961, p 7.

JPRS 8117

EEur - Poland

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Apr 61

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(DC-5674)

Philosophy of Man (4), by Adam Schaff, 6 pp.

POLISH, per, Przegląd Kulturalny, Vol X, No 12 (447),
23 Mar 1961, p 6.

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Apr 61

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Philosophy of Man (3), by Adam Schaff, 6 pp.

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Sep 60

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Main Problem: The Party (II), by Adam Schaff,
8 pp.

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pp 3-8

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"Zuruck Zu Kant" or the Bankruptcy of Clerks (I),
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On Questions of Morality -- Without Mythology (1),
by Adam Schaff, 8 pp

POLISH, wkly np, Polityka, No 14, Apr 58, pp 1,6-7

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EEur - Poland

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May 58

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On Matters of Morality -- Without Mythology (II),
by Adam Schaff, 8 pp

POLISH, wkly np, Polityka, No 15, Warsaw, 12 Apr 58
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**REVENUE AND THE PRESIDENT OF 1911, BY
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Cardiac Frequency in the Course of Sleep, by
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No 8-9, 1962, pp 1522-1525.

NIH 4-25-63

Sci - Biol/Med Sci

Jul 63

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Investigation of a Method of Evaluation of the
Quantity of Sleep. I. Influence of the Depriva-
tion of Sleep Upon Various Quantitative Expressions
of the Spontaneous Motility of the Sleeper, by
by G. Schaff, G. Marbach.

FRENCH, per, Societe de Biologie de Strasbourg,
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NIH 4-28-63

Sci - Biol/Med Sci

Jul 63

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Study of a Method of Evaluation of the Quantity
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G. Schaff, J. J. Vogt.

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No 4, 1961, pp 897-904.

NIH 4-29-63

Sci - Biol/Med Sci

Jul 63

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Concomitant Variations of the Spontaneous
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Frequency in the Course of Sleep Under the
Influence of Various States of Fatigue, by
G. Schaff, G. Narbach, et al.

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No 8-9, 1962, pp 1517-1522.

NIE 4-24-63

Sci - Biol/Med Sci

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Effects of Chlorpromazine on the Duration of
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(5° C) or at a Basal Temperature (31° C), by
A. Mader, E. Forster, G. Schaff, C. Kayser, 4 pp.

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Mar 1955, pp 568-570.

SLA Tr 57-1836

Sci

Jun 58

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Manufacture of Bricks and Cellular Concrete
From Fly-Ash and Lime in Germany, by
K. Schaff

GERMAN, per Mitt. Verein. Grosskesselbesitzer
No. 17/18, 1951, pp 41-63
GB 334/CT. E.1-10/-

K. Schaff

Scl -
Aug 67

338-376

Manufacture of Bricks and Cellular Concrete
From Fly-Ash and Lime in Germany, by
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No. 17/18, 1951, pp 41-63
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Sci -
Aug 67

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Preparation and Properties of Polymers Containing
Fluorine, by G. Bier, R. Schaff, K. H. Ehrs,
20 pp.

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Scientific - Chemistry

Dec 54 CTS/DEX

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French Effort for Electronic Parts, by A. Dansin;
Control of Electronic Parts at ICIE, by M. A.
Dauphin; Control of Variable Factors in Manufacture,
by J. de Ligny, A. H. Schaffma.

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Dec 56 CTS

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How do Mosquitoes Find Their Host?, by
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The New Bank Statute in Indonesia, by Prof Dr
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DUTCH, per, Maandschrift "Economie", Encl to Desp
No 1038.

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FE - Indonesia
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CIA 1510457

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Niobium and Tantalum XIII. Saturation Pressure
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S.L.A. Tr No 57-49

Sci - Chemistry, a inorganic
Apr 57

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The Likelihood Test for Fit, by K. A. Schaffer.
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del - Marsh
Jan 68

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(FDD 25259)

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7 pp.

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Sci - Electronics
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The Law of Resistance for Water Flow Through Gravel,
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USA Corps of Engr, Waterways Exper Sta Tr 40-44

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

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Econ - Transportation, river, water

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Technical Experimental Study of the Regulation of the
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GERMAN, Deutsche Wasserwirtschaft, No 9, 1938, pp 1-8.

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Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

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Compressive Strength of the Upper Part of Concrete After Its Consolidation by Internal Vibrators, by Kurt Walz, and Hermann Schaefer, 8 pp.

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EEur - East Germany
Geo - Travel booklet

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Oil-Derived Oxidation Inhibitors, by W. Rutten-
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The Effect of Substrate Concentration on the
Fermentation of Lactose by Salmonella, by S.
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Sci

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The Corrosion Resistance of Metallic Materials
of Construction, Especially Stainless Steels,
Toward Refrigerating Brines, by P. Scheffmeister,
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Sci - Chemistry; Min/Metals
Oct 56 CTR

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The Application of Polarized Light in Studying the
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G. Moll.

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BISI 2566

Sci - Engr

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Influence of Manganese Content and Rate of Cooling
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A10438

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GOTTA. A.

ARCHIV EISENHUTTENWESEN, vol 5, No 8, 1932

Corrosion Tests of Cold Rolled, Acid Resisting Chromium-
Nickel Steel.

Erutcher #74, \$2.50

A 1105

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2500 words; 1933.

Prevention of Intergranular Corrosion in 18-8
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With Special Reference to The Brittle
Component Which Occurs After Long Heat Treatment,
by P. Schafmeister, R. Ergang, 9 p.

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SLA 60-10219

Sci
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Vol III, No 3

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SCHAFMEISTER, R. F.
TOFAUTE, W.

Zeitschrift für das Gesamte Brauwesen, vol. 2, 2,
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Brewery Corrosion. The Resistance to Corrosion and
Galvanic Interaction of the Metallic Materials Used in
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P 10489

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Grain Boundary Corrosion and Etching for Micro-
structure of 16% Cr, 8% Ni Steel.

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MOLL, G.

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Precipitation Hardening of 18-8 Steel by Additions
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Corrosion Resistance, by H. Bennek, P. Schafmeister

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Scientific - Min/Metals

\$4.40

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The Iron-Nickel-Chromium Equilibrium Diagram With
Special Reference to the Brittle Structural
Constituents Occurring After Prolonged Heating, by
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S.L.A. Tr 57-168

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May 57

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SCHAFERSTEN, P.
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Archiv Eisenhüttenwesen, vol. 15, 12 figures, 1 table,
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